

ALABAMA FIRE COLLEGE

AND PERSONNEL STANDARDS & EDUCATION COMMISSION



COURSE SYLLABUS

Fire Inspector I

FSC 251

40 clock hours

PREREQUISITES

- 18 years of age
- High School Diploma/GED

REQUIRED COURSE MATERIALS

- **Jones & Bartlett: Principles and Practice, Revised Enhanced 1st Edition**
- **Fire Inspector I Student Manual** (Optional if using AFC Online)
 - Available in AFC Online; student manual can be purchased separately from AFC Bookstore

Additional Materials:

- International Fire Code (edition used by your authority having jurisdiction) OR,
- NFPA 1: *Uniform Fire Code* and NFPA 101: *Life Safety Code* (edition used by your jurisdiction)
- Calculator
- Laptop

DESCRIPTION

This course is based on NFPA 1031: *Standard for Professional Qualifications for Fire Inspector and Plan Examiner*. A beginning level course for Fire Fighters and other interested parties wishing to become more involved in the aspect of fire prevention and inspections. This course is primarily designed for those entering into fire service inspections and would be extremely useful to City Inspector and Company Level Officers. Some of the topics covered in this course include: Building Construction, Decorative Materials and Furnishings, Fire Drills, Inspection Procedure, Code Enforcement, Fire Alarm, and Communications.

STUDENT LEARNING OBJECTIVES

- Prepare inspection reports
- Recognize the need for a permit
- Recognize the need for plan review
- Investigate common complaints
- Identify the applicable code or standard
- Participate in legal proceedings
- Identify the occupancy classification of a single-use occupancy
- Compute the allowable occupant load of a single-use occupancy or portion thereof
- Inspect means of egress elements
- Verify the type of construction for an addition or remodeling project
- Determine the operational readiness of existing fixed fire suppression systems
- Determine the operational readiness of existing fire detection and alarm systems
- Determine the operational readiness of existing portable fire extinguishers
- Recognize hazardous conditions involving equipment, processes, and operations
- Compare an approved plan to an existing fire protection system
- Verify emergency planning and preparedness measures are in place and have been practiced
- Inspect emergency access for an existing site
- Verify code compliance for incidental storage, handling, and use of flammable and combustible liquids and gasses
- Verify code compliance for incidental storage, handling, and use of hazardous materials

- Recognize a hazardous fire growth potential in a building or space
- Determine code compliance
- Verify fire flows for a site

CERTIFICATION REQUIREMENTS

To be issued certification, the candidate will: provide documentation of prerequisites, complete required training hours including skills training, successfully complete the cognitive written exam, and successfully complete the practical exam.

ACCREDITATION

Alabama Fire College and Personnel Standards Commission maintains accreditation with Pro Board and IFSAC. Each student will automatically receive national registration and certification upon successful completion of all requirements for certification.

COURSE SCHEDULE (SUBJECT TO CHANGE)

Day One:	Introductions; Chapter 14: Writing Reports & Keeping Records; Chapter 1: Introduction to Fire Inspector; Chapter 2: Building Construction; Chapter 3: Types of Occupancies
Day Two:	Chapter 4: Fire Growth; Chapter 5: Performing an Inspection; Chapter 6: Reading Plans; Chapter 7: Occupancy Safety and Evacuation Plans
Day Three:	Chapter 8: Fire Detection Systems; Chapter 9: Fire Flow and Fire Suppression Systems; Chapter 10: Portable Fire Extinguishers
Day Four:	Chapter 11: Electrical and HVAC Hazards; Chapter 12: Ensuring Proper Storage and Handling Practices; Chapter 13: Safe Housekeeping Practices
Day Five:	Complete practical exercises, review, skills testing, survey, and certification exam

GRADE ASSESSMENT

WRITTEN EXAMINATION

Perform to a minimum 70% competency on the examination,
(One retest is allowed after 30 days but within one year of course end date.)

PRACTICAL EXAMINATION

Successfully complete a skills/project evaluation to a minimum of 70% competency and successful completion of all critical points. Evaluators will test at least 25% of the skills for each. Skill sheets to be tested will be randomly selected by AFC Certification Unit for the practical examination. (One retest is allowed after 30 days but within one year of course end date.)